

SEQUENCE LISTING

<110> Wang, Xuemin Sang, Yongming

<120> DROUGHT TOLERANT PLANTS AND METHODS OF INCREASING DROUGHT TO LERANCE IN PLANTS

<130> 30509 Wang

<160> 2

<170> PatentIn version 3.0

<210> 1

<211> 783

<212> DNA

<213> Arabidopsis thaliana

<400> 1

tgttccaaga gaccacgatg tgtggaatgt ccaattgttt aggtccattg atggaggagc 60

tgctgctggg tttcccgagt cgcctgaagc tgctgcggaa gccgggcttg tacagtggga 120

aagataacat cattgatagg agtatccaag atgcttacat tcatgcaatc agacgtgcta 180

aggatttcat ctacgttgaa aaccagtact tccttgggag ttcttttgct tgggcagccg 240

atggtattac teetgaggae atcaatgeee tgeaettaat eecaaaagag ttgtegetga 300

agatagttag caagattgat caaggagaga agttcagggt ctatgttgtg gttccaatgt 360

ggccagaagg tctcccagag agtggatcag tgcaagctat attagactgg cagaggagga 420

ccatggagat gatgtacaag gatgtgattc aggctctcaa gggtcttgag ggcccggaag 480

atccaagaaa ctatctgaca ttcttctgtc ttggaaaccg tgaggtcaag aaagatggag 540

agtatgagee tgetgagaaa ceagaeeeeg acaetgatta catgagggeg caagaageae

600

gccgtttcat gatttacgtc cacaccaaaa tgatgatcgt tgacgatgaa tacattatca 660

ttgggtctgc taacatcaac cagaggtcaa tggacggtgc aagagactct gagatagcaa 720

tgggaggtta tcaaccacat cacttgtccc atagacaacc agctcgtggc cagatccatg 780

ggt

783

<210> 2

<211> 2808

<212> DNA

<213> Ricinus communis

<400> 2

cttcgtttca cattctctgt acttttacga ttacgcgcat acaaaattat tttatttgat 60

atatacatac acacggaget aagateggat cagateacag aaattetete atteteagat 120

ctctctctgt ttctcttcat catcataaat ttacaagtga gaaatggcgc agatatcttt 180

gcacggaact ctacatgtaa cgatctatga ggtggataag cttcacagcg gaggtggtcc 240

ccacttettt egtaagettg ttgaaaatat tgaggagaca gttggttttg gcaaaggagt 300

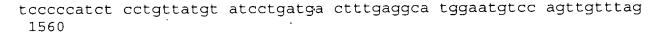
tagtaaactc tatgcaacta ttgacctaga aaaggctaga gttgggagga ctagaatact 360

ggaaaatgaa caatccaacc ccaggtggta tgagtccttt cacgtttatt gtgctcatca 420

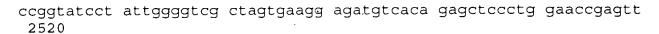
ggcttcaaat gtaatattca cagtcaagga tgataatcct attggggcca ccttaattgg 480

aagagcatat gtaccagttg aagagctcct agatggagaa gagatagata ggtgggttga 540

- gatattggat gaagacaaga accccgtcca tagtggttct aagatccatg tgaaactgca 600
- gtactttgag gttaccaagg accgtaactg gggacagggt atcagaagtt caaaatatcc 660
- tggagtacct tatacatact tctcgcagag acaaggatgt aaggtttctc tctaccaaga 720
- tgctcatatt ccagacaaat ttgttcctca aattcctctt gctggaggca attactatga 780
- gcctcacagg tgctgggaag atgtttttga tgcaattacc aatgcaaaac acttgatcta 840
- catcactggc tggtctgttt atactgaaat ctccttaata agggactcga ggaggccaaa 900
- gccaggagga gatatcaccc taggtgagct gcttaagaag aaggcaagtg aaggtgttag 960
- ggtccttatg ctggtgtggg atgacagaac ctccgttggt ttattgaaaa aggatggact 1020
- catggcaact catgatgagg agactgaaca tttcttccag aatactgatg tgcattgtgt 1080
- gctgtgtcct cgaaatcctg atgatggtgg aagctttgtt caggatctac aaatctctac 1140
- tatgttcact catcaccaga agattgtggt ggtggacagt gcaatgccta atggagattc 1200
- gcagaggagg agaattgtca gttttgttgg gggtctcgac ctctgtgatg ggagatatga 1260
- ttccccattc cattcccttt tcaggacact ggattcggca caccatgatg attttcatca 1320
- gcccaacttt gctggtgctt caattgaaaa aggtggtcca agagaacctt ggcatgacat 1380
- ccactccaga cttgaaggac caattgcttg ggatgttttg tttaattttg agcagagatg 1440
- gagaaagcaa ggtggtaaag acctgctcat tcagctgaga gaactagaag atgttatcat 1500



- atccattgat ggtggagctg catttggttt ccctgagaca cctgaagatg cgccagaggc 1620
- tgggcttgtc agtggaaagg ataacatcat tgaccgaagt attcaggatg cttatatcca 1680
- tgccattcga agggcaaaga attttattta tattgaaaat cagtatttcc ttggaagttc 1740
- ttttggttgg agtcctgatg gtattaagcc tgaggatatt aatgcactgc atctaatacc 1800
- caaggaactt tcactcaaga tacttagcaa gattgcggca ggggagaggt tcactgttta 1860
- cattgttgtt ccaatgtggc cagagggtat accagagagt gcatcagttc aggctatatt 1920
- agattggcag aagaggacaa tggaaatgat gtataaagat attgtgcagg ctctcaaagc 1980
- caatggaatt attgaggatc ctcggaacta tctgacattc ttctgccttg gtaaccgcga 2040
- agtgaagaag agtggtgaat atgaacctgc agaaaaacca gagcctgata cagactatat 2100
- aagageteag gaggeeagae gttteatgat ttatgtteat acaaagatga tgattgtega 2160
- tgatgagtac attataattg gatctgccaa catcaaccag agatcaatgg atggtgctag 2220
- agactccgaa atagccatgg gagcctatca accacatcac ttgtcaacca ggcagccagc 2280
- acgaggtcag atccatggtt tecgtatgte attatggtae gaacacettg geatgetega 2340
- cgagtcattc cttaatccag aaagtgagga gtgtgtcaga aaggtgaacc agatggcaga 2400
- aaaatattgg gatctctatt caagcgagac actggaacat gacctacctg gtcatttgct 2460



tttccctgac acgaaggctc gtgttctagg tgctaaatcc gattaccttc ctcccatcct 2580

gacaacttaa tggaactcta agcagttctc gaagaattac ctgccttgcc agcccattta 2640

tgttactagt tgtagccaga aaataaatca tgtatcgcca ttctatccat aatgtttttg 2700

tgccaggatt ggggtatcag gattgacaga tgtgtcactg ctgtggtgtg gtgtgatgct 2760

gtctatgttg aactttgttt atctaatcca tgtctttttc tacaaaac 2808